

Appendix Test Data

Report No.:	18220WC30272901	Test Sample No.:	1-2-2
Start Test Date:	2024.7.24	Finish Test Date:	2024.7.25
Test Engineer:	<i>Faker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.774	2402.004	2402.778	---	---
2.4G	Ant1	2441.4	0.771	2441.025	2441.796	---	---
2.4G	Ant1	2479.4	0.780	2479.004	2479.784	---	---



Test Graphs



2.4G-Ant1-2402.4



2.4G-Ant1-2441.4



2.4G-Ant1-2479.4

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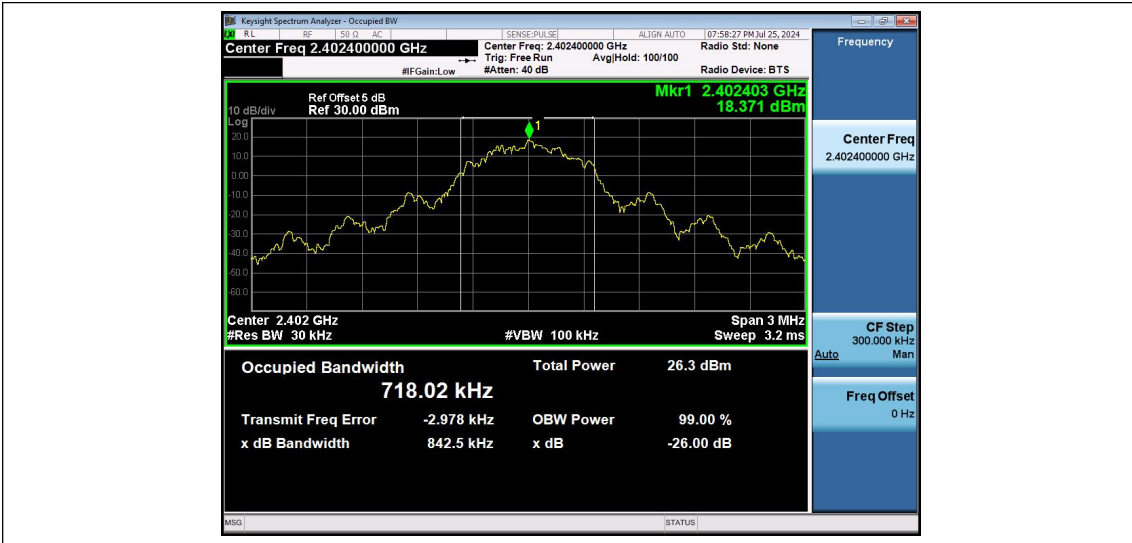
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.71802	2402.0380	2402.7560	---	---
2.4G	Ant1	2441.4	0.71623	2441.0457	2441.7619	---	---
2.4G	Ant1	2479.4	0.71735	2479.0390	2479.7564	---	---



Test Graphs



2.4G-Ant1-2402.4



2.4G-Ant1-2441.4



2.4G-Ant1-2479.4

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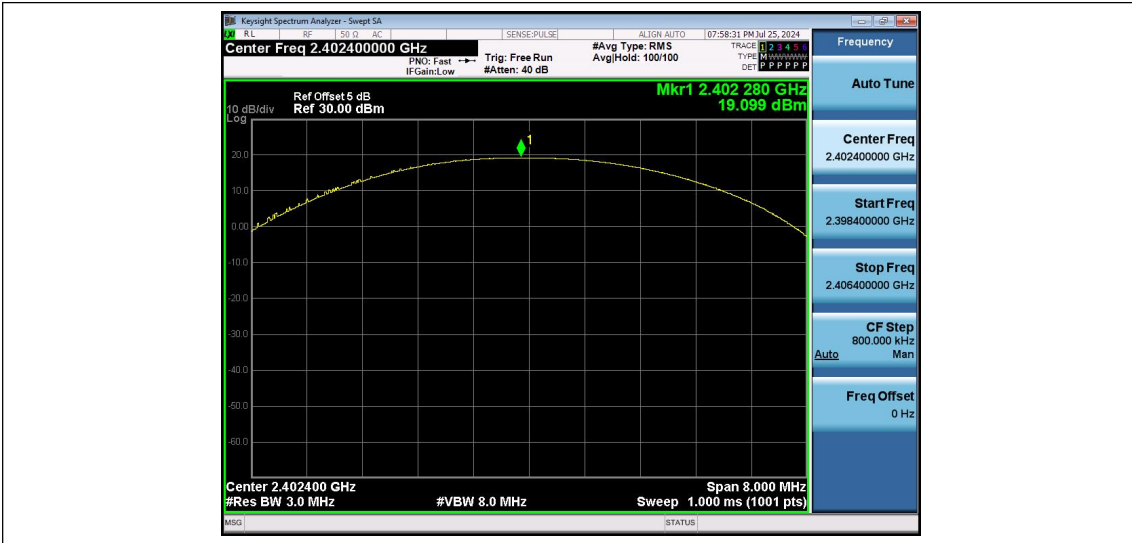
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402.4	19.10	≤30	PASS
2.4G	Ant1	2441.4	18.65	≤30	PASS
2.4G	Ant1	2479.4	18.16	≤30	PASS



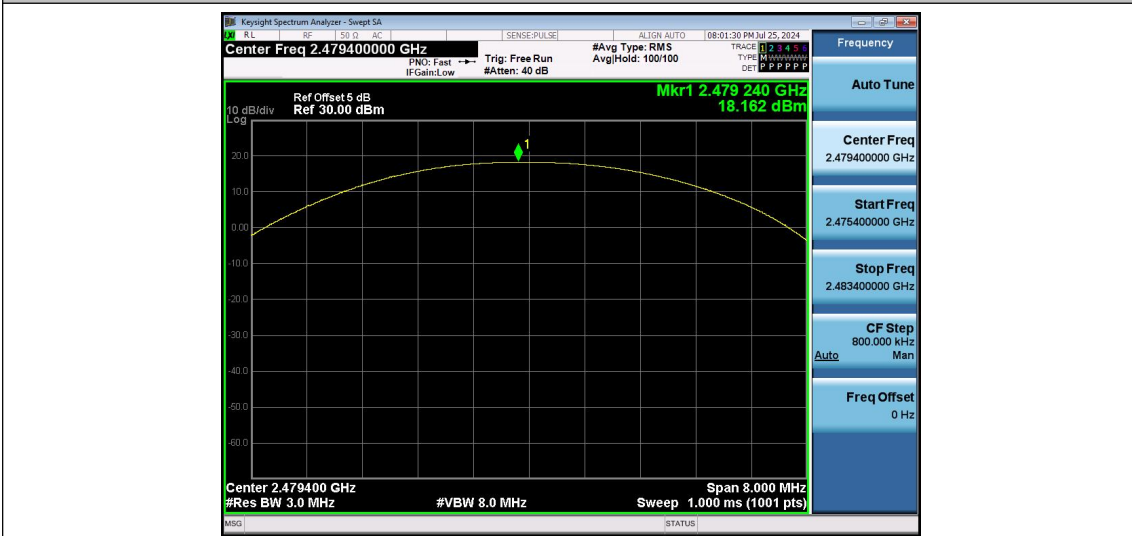
Test Graphs



2.4G-Ant1-2402.4-PASS



2.4G-Ant1-2441.4-PASS



2.4G-Ant1-2479.4-PASS

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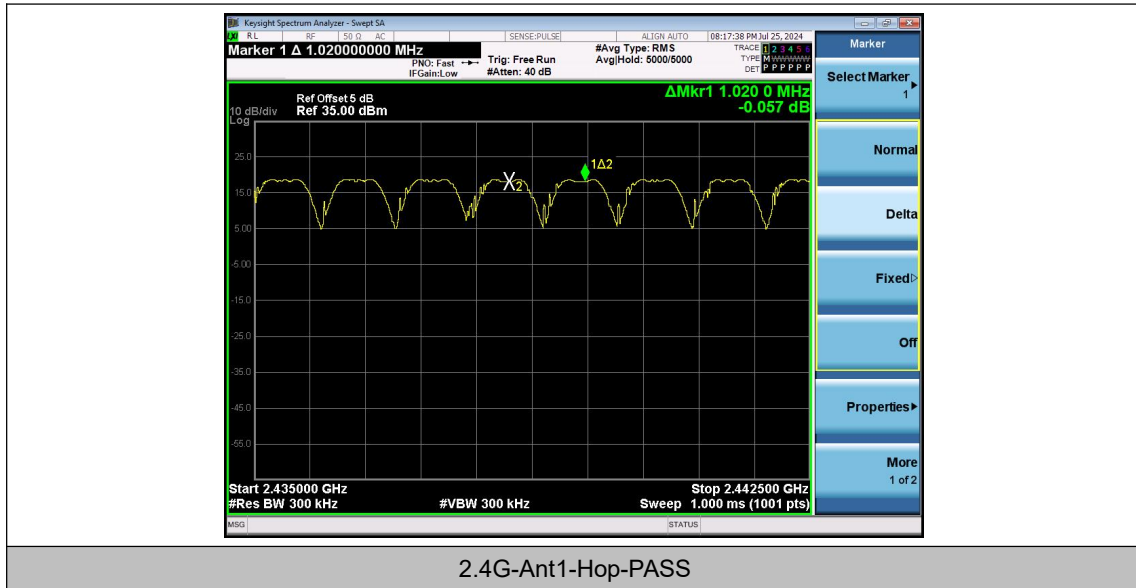


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.020	≥0.780	PASS

Test Graphs

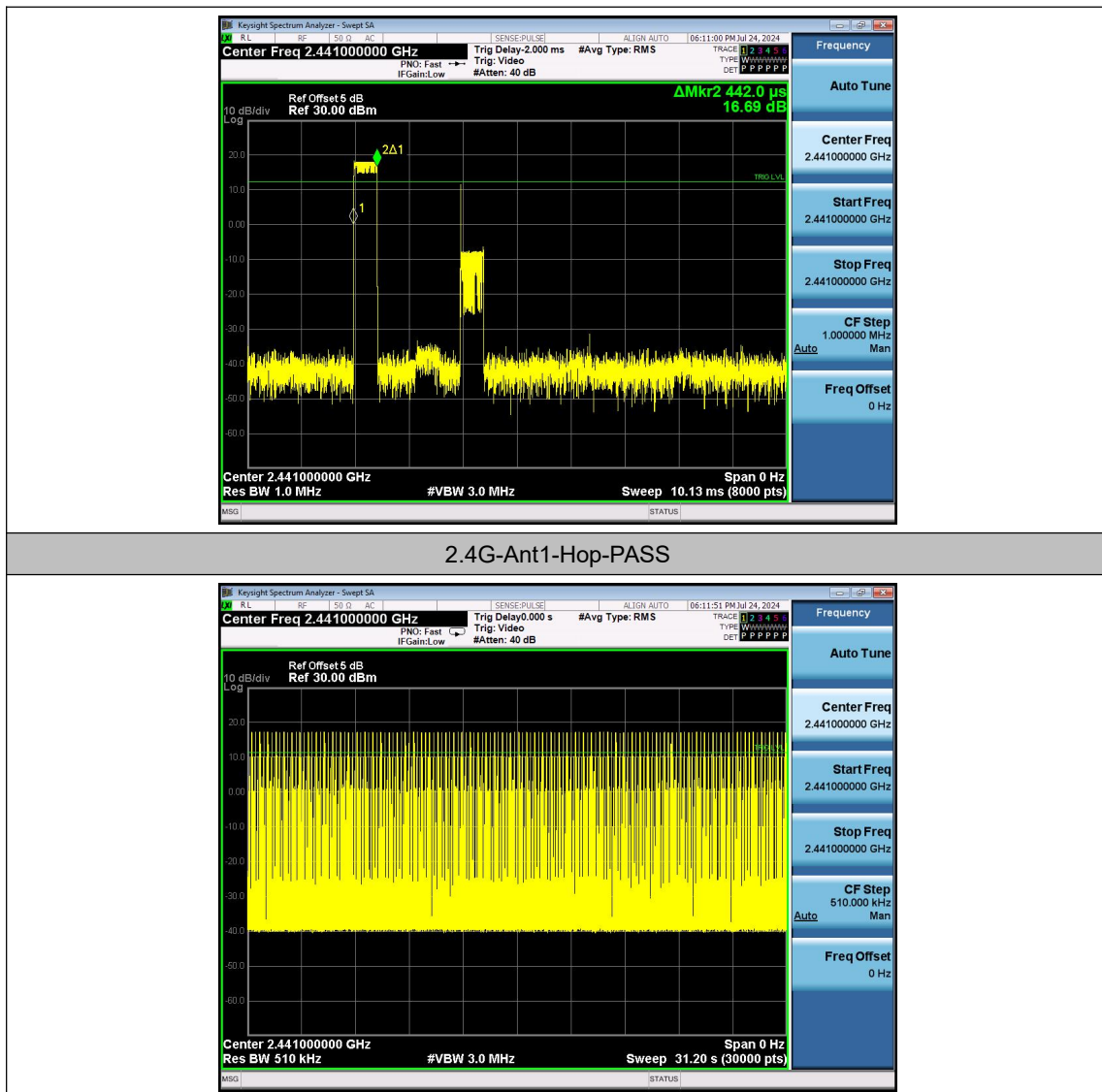


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.442	212	0.094	≤0.4	PASS

Test Graphs

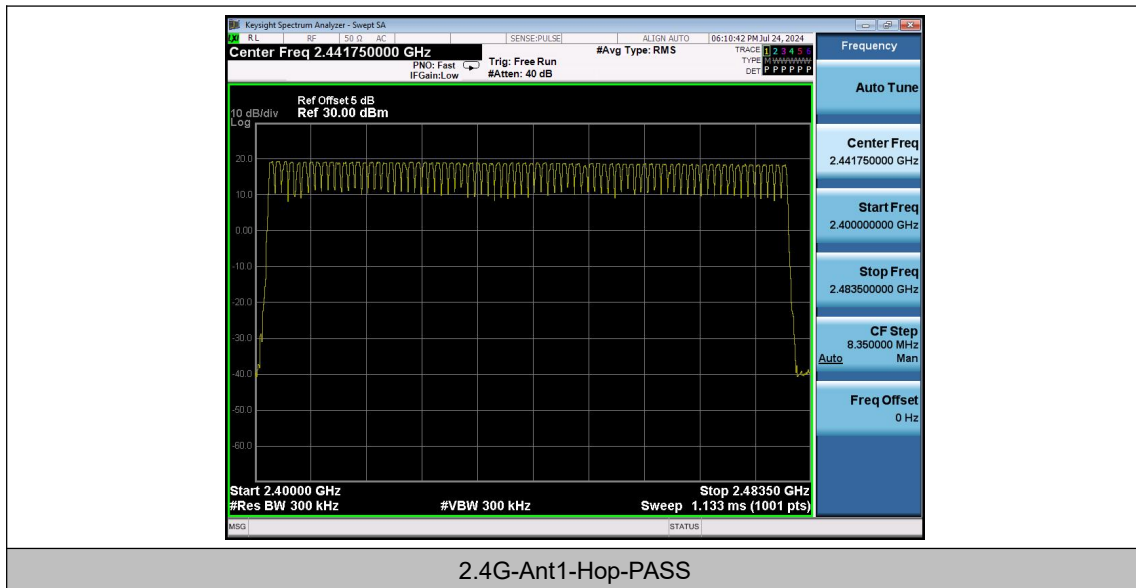


Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS

Test Graphs

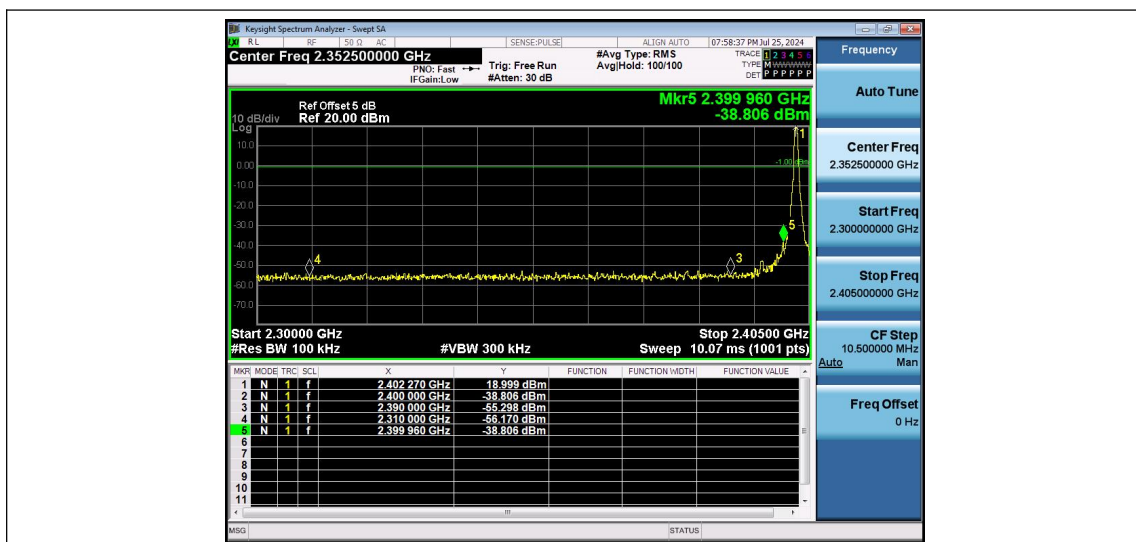


Appendix G: Conducted Band edge

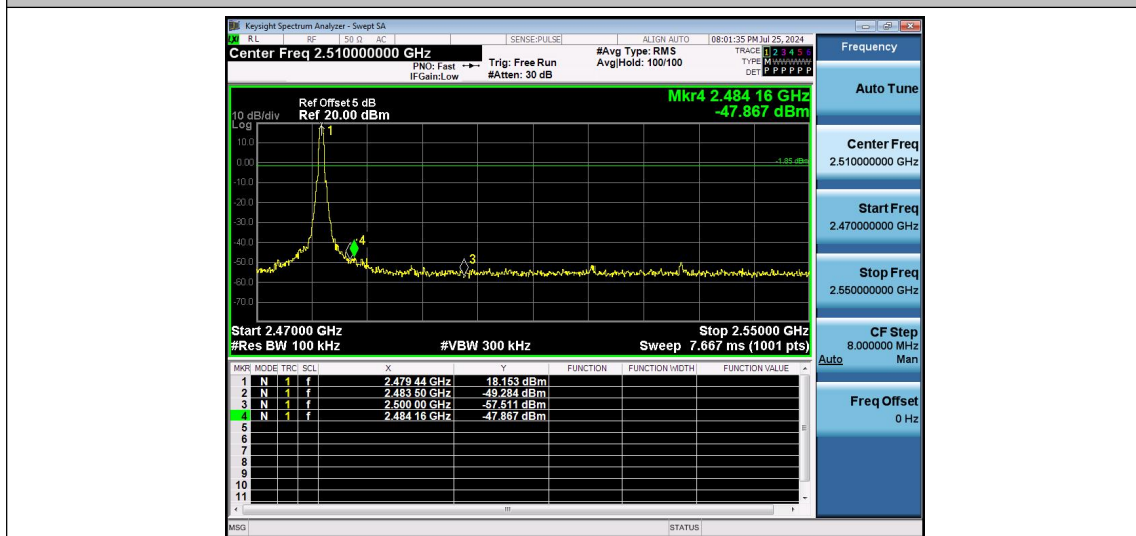
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402.4	19.00	-38.81	≤-1	PASS
2.4G	Ant1	High	2479.4	18.15	-47.87	≤-1.85	PASS
2.4G	Ant1	Low	Hop_2402.4	18.38	-24.16	≤-1.62	PASS
2.4G	Ant1	High	Hop_2479.4	17.99	-38.71	≤-2.01	PASS

Test Graphs

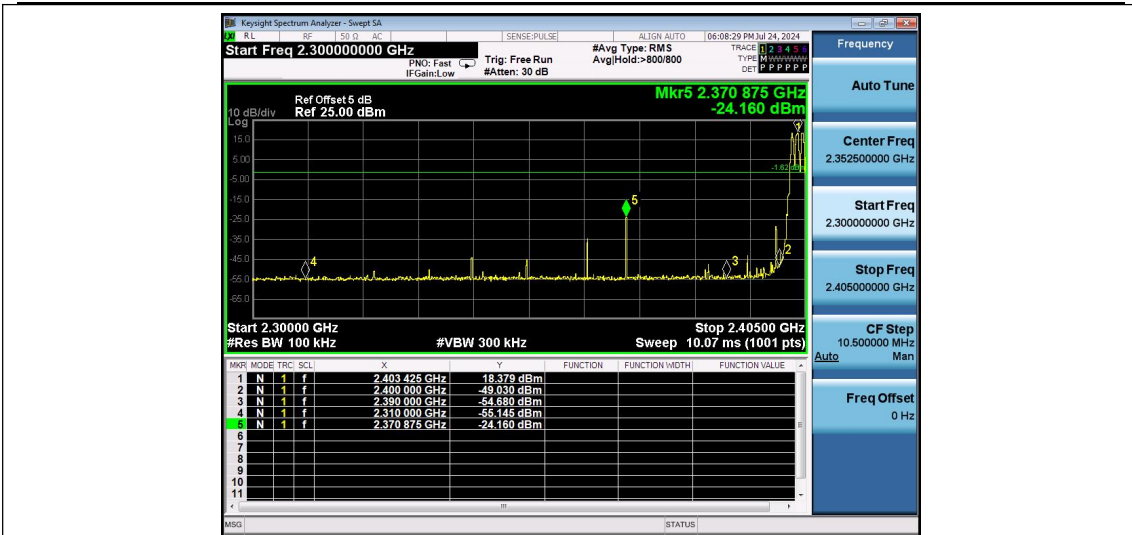


2.4G-Ant1-2402.4-PASS

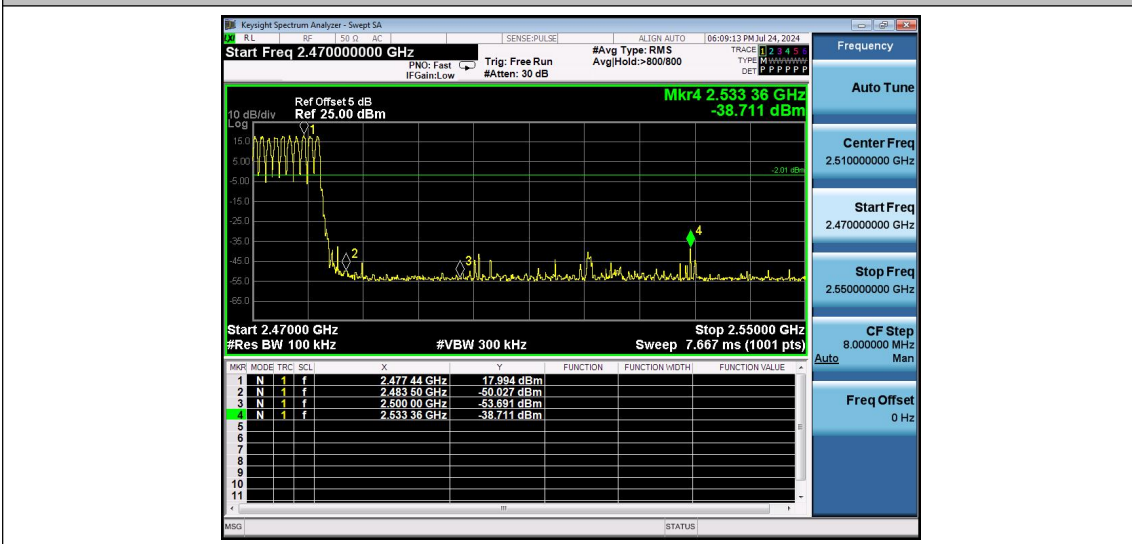


2.4G-Ant1-2479.4-PASS





2.4G-Ant1-Hop_2402.4-PASS



2.4G-Ant1-Hop_2479.4-PASS



Appendix H: Conducted Spurious Emission

Test Result

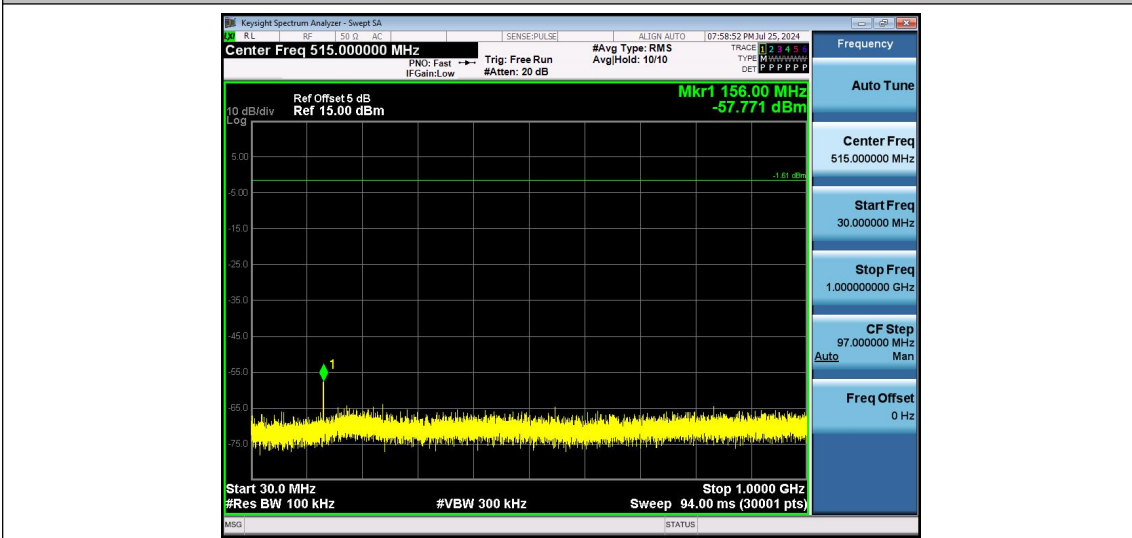
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	0~Reference	18.39	18.39	---	PASS
2.4G	Ant1	2402.4	30~1000	18.39	-57.77	≤-1.61	PASS
2.4G	Ant1	2402.4	1000~26500	18.39	-6.36	≤-1.61	PASS
2.4G	Ant1	2441.4	0~Reference	17.86	17.86	---	PASS
2.4G	Ant1	2441.4	30~1000	17.86	-57.12	≤-2.14	PASS
2.4G	Ant1	2441.4	1000~26500	17.86	-6.46	≤-2.14	PASS
2.4G	Ant1	2479.4	0~Reference	17.48	17.48	---	PASS
2.4G	Ant1	2479.4	30~1000	17.48	-57.8	≤-2.52	PASS
2.4G	Ant1	2479.4	1000~26500	17.48	-6.45	≤-2.52	PASS



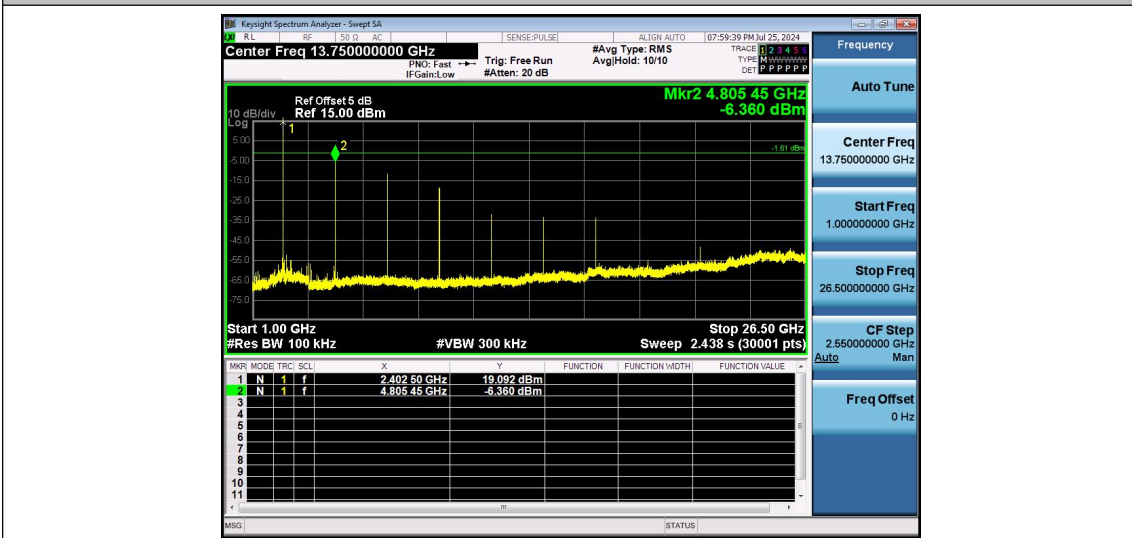
Test Graphs



2.4G-Ant1-2402.4-0~Reference-PASS



2.4G-Ant1-2402.4-30~1000-PASS



2.4G-Ant1-2402.4-1000~26500-PASS

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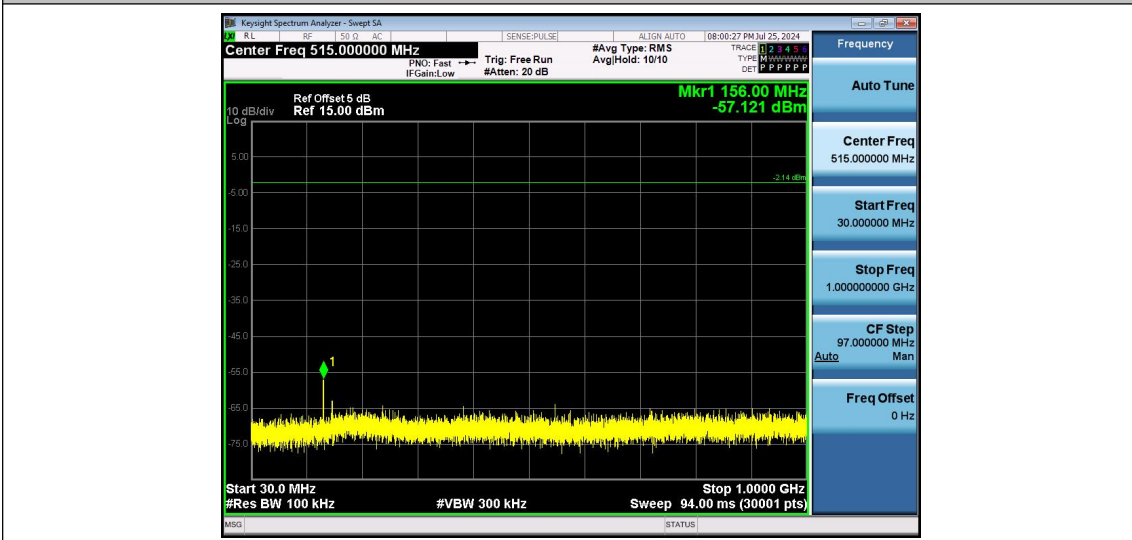
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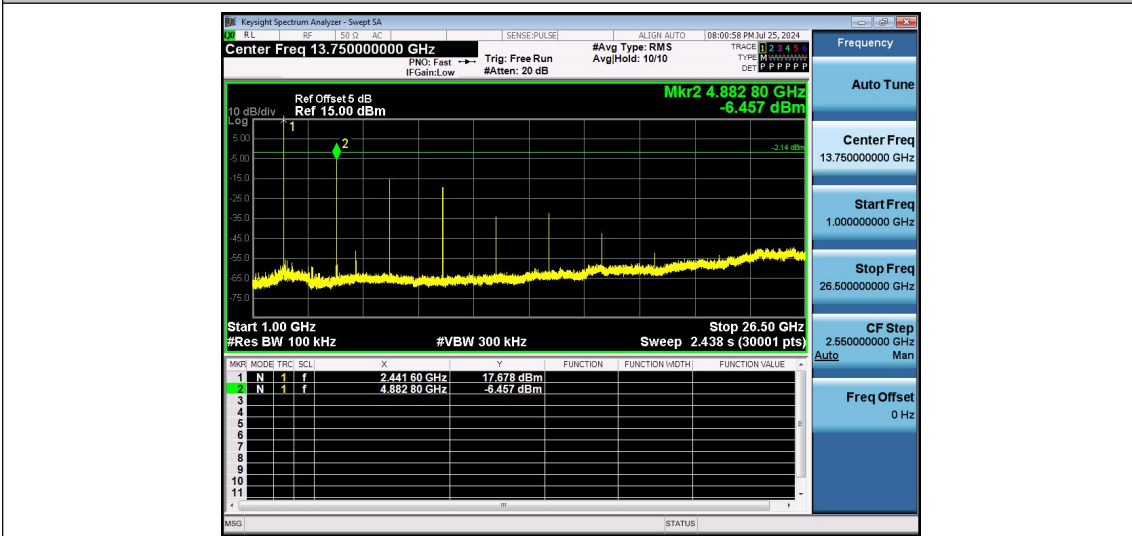




2.4G-Ant1-2441.4-0~Reference-PASS



2.4G-Ant1-2441.4-30~1000-PASS

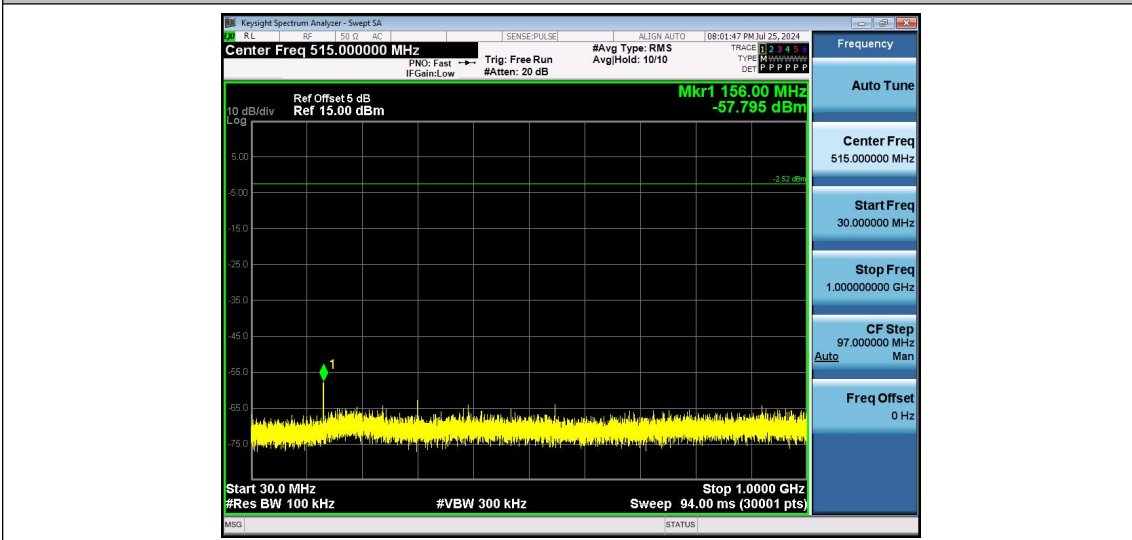


2.4G-Ant1-2441.4-1000~26500-PASS

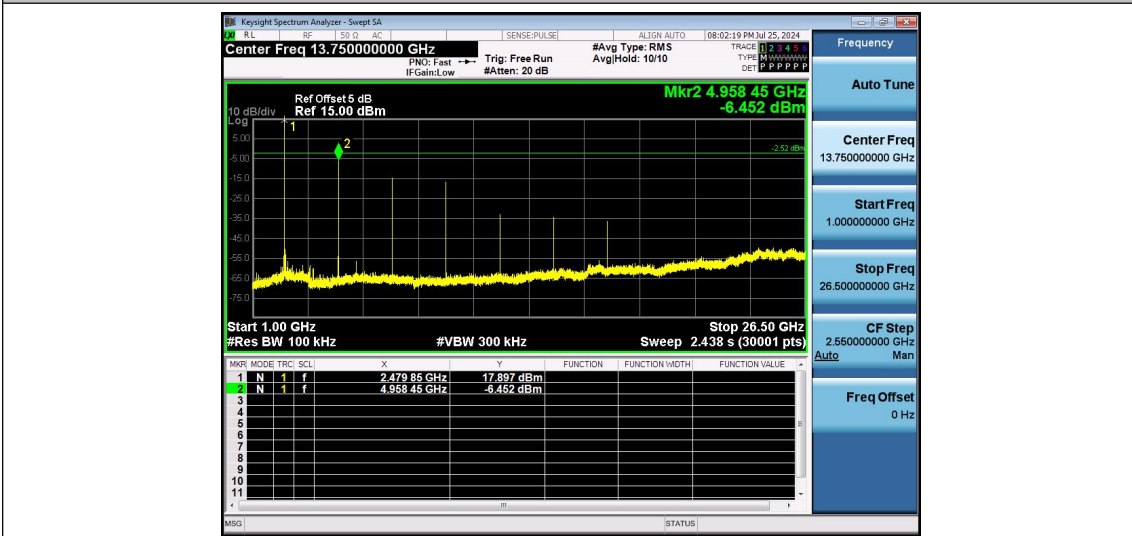




2.4G-Ant1-2479.4-0~Reference-PASS



2.4G-Ant1-2479.4-30~1000-PASS



2.4G-Ant1-2479.4-1000~26500-PASS

---END---

